

## SEQUENCE LISTING

|    |     |                   |                      |
|----|-----|-------------------|----------------------|
|    | 1.  | SEQ ID NO:1:C101  | CCGAGTGAACCTGCGGAAA  |
|    | 2.  | SEQ ID NO:2:C102  | TACTACAACCAGAGCGAGGA |
| 5  | 3.  | SEQ ID NO:3:C103  | CACAGACTGACCGAGTGAG  |
|    | 4.  | SEQ ID NO:4:C104  | AGTCCAAGAGGGGAGCCG   |
|    | 5.  | SEQ ID NO:5:C105  | CCACTCCATGAGGTATTTCT |
|    | 6.  | SEQ ID NO:6:C106  | TCTTCTCCAGAAGGCACCAT |
|    | 7.  | SEQ ID NO:7:C107  | CAGGTCAGTGTGATCTCCA  |
| 10 | 8.  | SEQ ID NO:8:C108  | CCTCCAGGTAGGCTCTCCA  |
|    | 9.  | SEQ ID NO:9:C109  | CAGCCCCTCGTGCTGCAT   |
|    | 10. | SEQ ID NO:10:C110 | CGCGCGCTGCAGCGTCTT   |
|    | 11. | SEQ ID NO:11:C111 | CCTCCAGGTAGGCTCTCAG  |
|    | 12. | SEQ ID NO:12:C112 | CTCAGGGTGAGGGGCTCT   |
| 15 | 13. | SEQ ID NO:13:C113 | TGAGCCGCCGTGTCCGCA   |
|    | 14. | SEQ ID NO:14:C114 | GGTCGCAGCCATACATCCA  |
|    | 15. | SEQ ID NO:15:C115 | CCGCGGGTATGACCAGTC   |
|    | 16. | SEQ ID NO:16:C116 | GCGTCTCCTTCCCGTTCTT  |
|    | 17. | SEQ ID NO:17:C117 | AGCGTCTCCTTCCCATTCTT |
| 20 | 18. | SEQ ID NO:18:C118 | TCCGCGGGTATG ACCAGTA |
|    | 19. | SEQ ID NO:19:C119 | GCCCCAGGTCGCAGCCAA   |
|    | 20. | SEQ ID NO:20:C120 | ACAAGCGCCAGGCACAGG   |
|    | 21. | SEQ ID NO:21:C121 | GAGCCACTCCACGCACTC   |
|    | 22. | SEQ ID NO:22:C122 | CCCTCCAGGTAGGCTCTCT  |
| 25 | 23. | SEQ ID NO:23:C123 | TCGTAGGCTAACTGGTCATG |
|    | 24. | SEQ ID NO:24:C124 | CCGCCGTGTCCGCGGCA    |
|    | 25. | SEQ ID NO:25:C125 | TACAACCAGAGCGAGGCCA  |
|    | 26. | SEQ ID NO:26:C126 | ACAACCAGAGCGAGGCCG   |
|    | 27. | SEQ ID NO:27:C127 | ACGACACGCAGTTCGTGCA  |
| 30 | 28. | SEQ ID NO:28:C128 | GCGCAGGTTCCGCAGGC    |
|    | 29. | SEQ ID NO:29:C129 | GAGCCACTCCACGCACCG   |
|    | 30. | SEQ ID NO:30:C130 | GAGCCACTCCACGCACGT   |
|    | 31. | SEQ ID NO:31:C131 | CCTCCAGGTAGGCTCTCTG  |

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|    | 32. | SEQ ID NO:32:C132 | CCGCGGAGGAAGCGCCA     |
|    | 33. | SEQ ID NO:33:C133 | CCACTCCATGAGGTATTTCTT |
|    | 34. | SEQ ID NO:34:C134 | CCGGAGTATTGGGACCTGC   |
|    | 35. | SEQ ID NO:35:C135 | CCCCAGGTCGCAAGCCAG    |
| 5  | 36. | SEQ ID NO:36:C136 | CGCACGGGCCGCCTCCA     |
|    | 37. | SEQ ID NO:37:C137 | GCGCCGTGGATAGAGCAA    |
|    | 38. | SEQ ID NO:38:C138 | GCCGCGAGTCCGAGGAC     |
|    | 39. | SEQ ID NO:39:C139 | ACCGGAACACACAGATCTG   |
|    | 40. | SEQ ID NO:40:C140 | ACCGGGAGACACAGATCTC   |
| 10 | 41. | SEQ ID NO:41:C141 | GGAGTATTGGGACCGGAAC   |
|    | 42. | SEQ ID NO:42:C142 | AACATGAAGGCCTCCGCG    |
|    | 43. | SEQ ID NO:43:C143 | GACCGGAACACACAGATCTT  |
|    | 44. | SEQ ID NO:44:C144 | TACCGAGAGAACCTGCGC    |
|    | 45. | SEQ ID NO:45:C145 | AGCAGGAGGGGCCGGA      |
| 15 | 46. | SEQ ID NO:46:C146 | GGGGAGCCCCGCTTCATT    |
|    | 47. | SEQ ID NO:47:C147 | CAGATCTACAAGGCCCAGG   |
|    | 48. | SEQ ID NO:48:C148 | CCATGAGGTATTTCTACACCG |
|    | 49. | SEQ ID NO:49:C149 | GACCGGAACACACAGATCTA  |
|    | 50. | SEQ ID NO:50:C150 | CCGAGAGAGCCTGCGGGAA   |
| 20 | 51. | SEQ ID NO:51:C151 | ACCGAGAGAACCTGCGGAT   |
|    | 52. | SEQ ID NO:52:C152 | CGCCGCGAGTCCGAGAGA    |
|    | 53. | SEQ ID NO:55:C155 | CCTCCAGGTAGGCTCTGTC   |
|    | 54. | SEQ ID NO:56:C156 | GAGGAGGCGCCCGTCG      |
|    | 55. | SEQ ID NO:57:C157 | CTTGCCGTCGTAGGCGG     |
| 25 | 56. | SEQ ID NO:58:C158 | ATCCTTGCCGTCGTAGGCT   |
|    | 57. | SEQ ID NO:59:C159 | CGTTCAGGGCGATGTAATCT  |
|    | 58. | SEQ ID NO:60:C160 | CGTGCCCTCCAGGTAGGT    |
|    | 59. | SEQ ID NO:61:C161 | GAGCCACTCCACGCACTC    |
|    | 60. | SEQ ID NO:62:C162 | CCAGGTATCTGCGGAGCG    |
| 30 | 61. | SEQ ID NO:63:C163 | CCGCGCGCTCCAGCGTG     |
|    | 62. | SEQ ID NO:64:C164 | TACCAGCGCGCTCCAGCT    |
|    | 63. | SEQ ID NO:65:C165 | GCCATACATCCTCTGGATGA  |
|    | 64. | SEQ ID NO:66:C166 | CGTCGCAGCCATACATCAC   |
|    | 65. | SEQ ID NO:67:C167 | CTCTCAGCTGCTCCGCCT    |

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|    | 66. | SEQ ID NO:68:C168   | GTCGTAGGCGGACTGGTC    |
|    | 67. | SEQ ID NO:69:C169   | TCGTAGGCGTCCTGGTGG    |
|    | 68. | SEQ ID NO:70:C170   | CTCCAACTTGCGCTGGGA    |
|    | 69. | SEQ ID NO:71:C171   | GTGTGTTCCGGTCCCAATAT  |
| 5  | 70. | SEQ ID NO:72:C172   | CGCTCTGGTTGTAGTAGCG   |
|    | 71. | SEQ ID NO:73:C173   | GCCCACTTCTGGAAGGTTCT  |
|    | 72. | SEQ ID NO:74:C174   | CCATACATCGTCTGCCAA    |
|    | 73. | SEQ ID NO:75:C175   | GCGCAGGTTCCGCAGGC     |
|    | 74. | SEQ ID NO:76:C176   | GAGCCACTCCACGCACAG    |
| 10 | 75. | SEQ ID NO:77:C177   | GGGTACCCAGCAGGACGCT   |
|    | 76. | SEQ ID NO:78:C178   | GAGACACAGAAGTACAAGCG  |
|    | 77. | SEQ ID NO:79:C179   | GCCGCGGTCCAGGAGCT     |
|    | 78. | SEQ ID NO:80:C180   | CGAGAGAGCCTGCGGAAC    |
|    | 79. | SEQ ID NO:81:C181   | CGCGAGTCCGAGGATGGC    |
| 15 | 80. | SEQ ID NO:82:C182   | CAGGTATCTGCGGAGCCC    |
|    | 81. | SEQ ID NO:83:C183   | CCACTCCCATGAGGTATTTCC |
|    | 82. | SEQ ID NO:84:C184   | GCGGCGGTCCAGGAGCG     |
|    | 83. | SEQ ID NO:85:C185   | CCTCCAGGTAGGCTCTCAA   |
|    | 84. | SEQ ID NO:86:C186   | GCAGGTTCCGCAGGCTCT    |
| 20 | 85. | SEQ ID NO:87:C187   | GGACCTGCGGACCCTGCT    |
|    | 86. | SEQ ID NO:88:C188   | GGGAGCCCCGCTTCATCT    |
|    | 87. | SEQ ID NO:89:C189   | CGCCACGAGTCCGAGGAA    |
|    | 88. | SEQ ID NO:90:C190   | TCCCACTTGCGCTGGGT     |
|    | 89. | SEQ ID NO:91:C191   | GGAGGAAGCGCCCGTCG     |
| 25 | 90. | SEQ ID NO:92:C192   | GAGCCTGCGGACCCTGCT    |
|    | 91. | SEQ ID NO:93:C193   | CGAGTGGGCCTGCGGAAC    |
|    | 92. | SEQ ID NO:94:C194   | GCTACGTGGACGACACGGCT  |
|    | 93. | SEQ ID NO:95:C195   | CTCGGTCAGTCTGTGCCTT   |
|    | 94. | SEQ ID NO:96:C196   | TCTCGGTAAGTCTGTGCCTT  |
| 30 | 95. | SEQ ID NO:97:C197   | TATTGGGACGAGGAGACAG   |
|    | 96. | SEQ ID NO:98:C198   | CGTCGTAGGCGTACTGGTC   |
|    | 97. | SEQ ID NO:99:C199   | CGACGCCGCGAGCCAGAA    |
|    | 98. | SEQ ID NO:100:CI100 | GAGCCCGTCCACGCACTC    |
|    | 99. | SEQ ID NO:101:CI101 | TCACAGACTGACCGAGCGAA  |

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|    | 100. SEQ ID NO:102:CI102 | ACGGAATGTGAAGGCCAG    |
|    | 101. SEQ ID NO:103:CI103 | AGCGACGCCGCGAGCCA     |
|    | 102. SEQ ID NO:104:CI104 | GGCCGGAGTATTGGGACGA   |
|    | 103. SEQ ID NO:105:CI105 | GATAGAGCAGGAGAGGCCT   |
| 5  | 104. SEQ ID NO:106:CI106 | TCACAGACTGACCGAGAGAG  |
|    | 105. SEQ ID NO:107:CI107 | CCCGGCCCGGCAGTGGA     |
|    | 106. SEQ ID NO:108:CI108 | GTGGATAGAGCAGGAGGGT   |
|    | 107. SEQ ID NO:109:CI109 | AGTTAATCCTTGCCGTCGTAA |
|    | 108. SEQ ID NO:110:CI110 | CACTCCACGCACGTGCCA    |
| 10 | 109. SEQ ID NO:111:CI111 | AGCGCAGGTCCTCGTTCAA   |
|    | 110. SEQ ID NO:112:CI112 | CCGTCGTAGGCGTGCTGT    |
|    | 111. SEQ ID NO:113:CI113 | CCAAGAGCGCAGGTCCTCT   |
|    | 112. SEQ ID NO:114:CI114 | ACACAGATCTACAAGACCAAC |
|    | 113. SEQ ID NO:115:CI115 | GGACCCGGGAGACACAGAAC  |
| 15 | 114. SEQ ID NO:116:CI116 | CCCCAGGTCGCAGCCAC     |
|    | 115. SEQ ID NO:117:CI117 | TCTCAGCTGCTCCGCCGT    |
|    | 116. SEQ ID NO:118:CI118 | CTCACGGGCCGCCTCCA     |
|    | 117. SEQ ID NO:119:CI119 | CCGAGTGAACCTGCGGAAA   |
|    | 118. SEQ ID NO:120:CI120 | TACTACAACCAGAGCGAGGA  |
| 20 | 119. SEQ ID NO:121:CI121 | CACGACTGACCGAGTGAG    |
|    | 120. SEQ ID NO:122:CI122 | AGTCCAAGAGGGGAGCCG    |
|    | 121. SEQ ID NO:123:CI123 | CCACTCCATGAGGTATTTCTC |
|    | 122. SEQ ID NO:124:CI124 | CCTCCAGGTAGGCTCTCCA   |
|    | 123. SEQ ID NO:125:CI125 | CAGCCCCTCGTGCTGCAT    |
| 25 | 124. SEQ ID NO:126:CI126 | CGCGCGCTGCAGCGTCTT    |
|    | 125. SEQ ID NO:127:CI127 | CCTCCAGGTAGGCTTCAG    |
|    | 126. SEQ ID NO:128:CI128 | GGTCGCAGCCAAACATCCA   |
|    | 127. SEQ ID NO:129:CI129 | AGCGTCTCCTTCCCATTCTT  |
|    | 128. SEQ ID NO:130:CI130 | TACCGAGAGAACCTGCGCA   |
| 30 | 129. SEQ ID NO:131:CI131 | CCTTGCCGTCGTAGGCGA    |
|    | 130. SEQ ID NO:132:CI132 | GTCGTAGGCGTCCTGGTC    |
|    | 131. SEQ ID NO:133:CI133 | CCACGTCGCAGCCATACATT  |
|    | 132. SEQ ID NO:134:CI134 | GCCGCGAGTTCGAGAGG     |
|    | 133. SEQ ID NO:135:CI135 | ACCGAGAGAACCTGCGGAT   |

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|    | 134. SEQ ID NO:136:CI136    | GCCTTCACATTCCGTGTGTT            |
|    | 135. SEQ ID NO:137:CI137    | AGCCCGTCCACGCACCG               |
|    | 136. SEQ ID NO:138:CI138    | CCACTCCATGAGGTATTTAC            |
|    | 137. SEQ ID NO:139:CI139    | CCTGCGCACCGCGCTCC               |
| 5  | 138. SEQ ID NO:140:CI140    | CTCTGGTTGTAGTAGCGGA             |
|    | 139. SEQ ID NO:141:CI141    | GGGTACCGGCAGGACGCT              |
|    | 140. SEQ ID NO:142:CI142    | ACGGAAAGTGAAGGCCAG              |
|    | 141. SEQ ID NO:143:CI143    | CTTCACATTCCGTGTCTCCT            |
|    | 142. SEQ ID NO:144:CI144    | CACGCAGTTCGTGCGGTTT             |
| 10 | 143. SEQ ID NO:145:CI145    | GCAGGGTCCCCAGGTCCA              |
|    | 144. SEQ ID NO:146:CI146    | GCTCTGGTTGTAGTAGCGGA            |
|    | 145. SEQ ID NO:147:CI147    | GACGACACGCTGTTTCGTGA            |
|    | 146. SEQ ID NO:148:CI150    | ACGTCGCAGCCGTACATG              |
|    | 147. SEQ ID NO:149:C2F30T   | TCCATGAAGTATTTACAT              |
| 15 | 148. SEQ ID NO:150:C2F32T   | CATGAGGTATTTCTACACCGCT          |
|    | 149. SEQ ID NO:151:C2F25A   | CACTCCATGAGGTATTTCTGA           |
|    | 150. SEQ ID NO:152:C2F25C   | CACTCCATGAGGTATTTCTC            |
|    | 151. SEQ ID NO:153:C2F32C   | TGAGGTATTTCTACACCGCC            |
|    | 152. SEQ ID NO:154:C3R195G  | CCTCCAGGTAGGCTCTGTC             |
| 20 | 153. SEQ ID NO:155:C3R195C  | CTCCAGGTAGGCTCTCCG              |
|    | 154. SEQ ID NO:156:C34076A  | CCTTGCCGTCGTAGGCGT              |
|    | 155. SEQ ID NO:157:C34076C  | CCTTGCCGTCGTAGGCGG              |
|    | 156. SEQ ID NO:158:C3R076T  | CCTTGCCGTCGTAGGCGA              |
|    | 157. SEQ ID NO:159:C3R075TA | CCTTGCCGTCGTAGGCTA              |
| 25 | 158. SEQ ID NO:160:C2F216A  | TACAAGCGCCAGGCACAGA             |
|    | 159. SEQ ID NO:161:CI53     | ATGATGTTGACCTTTCCAGGG           |
|    | 160. SEQ ID NO:162:CI54     | TTCTGTAACCTTTTCATCAGTTGC        |
|    | 161. SEQ ID NO:163:CI148    | TGCCAAGTGGAGCACCCAA             |
|    | 162. SEQ ID NO:164:CI149    | GCATCTTGCTCTGTGCAGA             |
| 30 | 163. SEQ ID NO:165:CICptA1  | ACGCCTACGACGGCAAGGATTACATCGCCC  |
|    | 164. SEQ ID NO:166:CICptA2  | GATGGAGCCGCGGTGGATAGAGCAAGGAGGG |
|    | 165. SEQ ID NO:167:CICptB1  | CAGTTCGTGAGGTTCGACAGCGACGCC     |
|    | 166. SEQ ID NO:168:CICptB2  | CTGCGCGGCTACTACAACCAGAGCGAGGCC  |
|    | 167. SEQ ID NO:169:DQ01     | TCC[CT]CGCAGAGGATTTTCGTG        |

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|    | 168. SEQ ID NO:170:DQ02 | GGAGCGCGTGCGGGG           |
|    | 169. SEQ ID NO:171:DQ03 | ACGGAGCGCGTGCGTCT         |
|    | 170. SEQ ID NO:172:DQ04 | GGACGGAGCGCGTGCGTTA       |
|    | 171. SEQ ID NO:173:DQ05 | GTACTCCTCTCGGTTATAGATGTG  |
| 5  | 172. SEQ ID NO:174:DQ06 | GATCTCTTCTCGGTTATAGATGC   |
|    | 173. SEQ ID NO:175:DQ07 | GTCGCTGTCGAAGCGCA         |
|    | 174. SEQ ID NO:176:DQ08 | TGACGCCGCTGGGGCC          |
|    | 175. SEQ ID NO:177:DQ09 | GCTGTTCCAGTACTCGGCGT      |
|    | 176. SEQ ID NO:178:DQ10 | GCTGTTCCAGTACTCGGCGCT     |
| 10 | 177. SEQ ID NO:179:DQ11 | GCTGTTCCAGTACTCGGCAA      |
|    | 178. SEQ ID NO:180:DQ12 | CAACTCCGCCCGGGTCCT        |
|    | 179. SEQ ID NO:181:DQ13 | GAAGGACATCCTGGAGAGGAA     |
|    | 180. SEQ ID NO:182:DQ14 | GGTCGTGCGGAGCTCCAACTG     |
|    | 181. SEQ ID NO:183:DQ15 | CACTCTCCTCTGCAGGATCCC     |
| 15 | 182. SEQ ID NO:184:DR01 | CCCC[AC]CAGCACGTTTCTTGA   |
|    | 183. SEQ ID NO:185:DR02 | CCAGCACGTTTCTTGGAGG       |
|    | 184. SEQ ID NO:186:DR03 | [AC]CAGCACGTTTCTTGGAGCT   |
|    | 185. SEQ ID NO:187:DR04 | CACGTTTCTTGCAGCAGGA       |
|    | 186. SEQ ID NO:188:DR05 | CACGTTTCTTGGAGCTGCG       |
| 20 | 187. SEQ ID NO:189:DR06 | CGTTTCTTGGAGCAGGCTAAGTG   |
|    | 188. SEQ ID NO:190:DR07 | CGTTTCTTGGAGTACTCTACGGG   |
|    | 189. SEQ ID NO:191:DR08 | ACGTTTCTTGGAGCAGGTAAAC    |
|    | 190. SEQ ID NO:192:DR09 | CGTTTCCTGTGGCAGCCTAAGA    |
|    | 191. SEQ ID NO:193:DR10 | CGTTTCTTGGAGTACTCTACGTC   |
| 25 | 192. SEQ ID NO:194:DR11 | CGTTTCCTGTGGCAGGGTAAGTATA |
|    | 193. SEQ ID NO:195:DR12 | GTTATGGAAGTATCTGTCCAGGT   |
|    | 194. SEQ ID NO:196:DR13 | CGGAGCGGGTGCGGTTG         |
|    | 195. SEQ ID NO:197:DR14 | ACGGAGCGGGTGCGGTTG        |
|    | 196. SEQ ID NO:198:DR15 | ACTCCTCCTGGTTATAGAAGTG    |
| 30 | 197. SEQ ID NO:199:DR16 | GCTGTCGAAGCGCAAGTC        |
|    | 198. SEQ ID NO:200:DR17 | TCGCTGTCGAAGCGCACGA       |
|    | 199. SEQ ID NO:201:DR18 | GCTGTCGAAGCGCAGGAG        |
|    | 200. SEQ ID NO:202:DR19 | CGCTGTCGAAGCGCACGTT       |
|    | 201. SEQ ID NO:203:DR20 | GCTGTCGAAGCGCACGG         |

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|    | 202. SEQ ID NO:204:DR21 | GCTGTCGAAGCGCACGTA       |
|    | 203. SEQ ID NO:205:DR22 | CGCTGTCGTAGCGCGCGT       |
|    | 204. SEQ ID NO:206:DR23 | TCCGTCACCGCCCGGA         |
|    | 205. SEQ ID NO:207:DR24 | GGAGTACCGGGCGGTGAG       |
| 5  | 206. SEQ ID NO:208:DR25 | CTGTTCCAGTACTCGGCAT      |
|    | 207. SEQ ID NO:209:DR26 | TGTTCCAGTACTCGGCGCT      |
|    | 208. SEQ ID NO:210:DR27 | CTGTTCCAGGACTCGGCGA      |
|    | 209. SEQ ID NO:211:DR28 | TCAGGCTGTTCCAGTACTCCT    |
|    | 210. SEQ ID NO:212:DR29 | CGCGCCTGTCTTCCAGGAA      |
| 10 | 211. SEQ ID NO:213:DR30 | CCCGCTCGTCTTCCAGGAT      |
|    | 212. SEQ ID NO:214:DR31 | CACCGCGGCCCCGCCTCTG      |
|    | 213. SEQ ID NO:215:DR32 | CACCGCGGCCCCGCGC         |
|    | 214. SEQ ID NO:216:DR33 | TGCAATAGGTGTCCACCTC      |
|    | 215. SEQ ID NO:217:DR34 | TGCAGTAGGTGTCCACCAG      |
| 15 | 216. SEQ ID NO:218:DR35 | GTGTCTGCAGTAATTGTCCACCTG |
|    | 217. SEQ ID NO:219:DR36 | GTGTCTGCAGTAATTGTCCACCC  |
|    | 218. SEQ ID NO:220:DR37 | ATGTCTGCAGTAGGTGC        |
|    | 219. SEQ ID NO:221:DR38 | CTCTCCACCAACCCGTAGTTGTA  |
|    | 220. SEQ ID NO:222:DR39 | TGCACTGTGAAGCTCTCAC      |
| 20 | 221. SEQ ID NO:223:DR40 | CTGCACTGTGAAGCTCTCCA     |
|    | 222. SEQ ID NO:224:DR41 | CCCCGTAGTTGTGTCTGCAA     |
|    | 223. SEQ ID NO:225:DR42 | GCAGTAGGTGTCCACCGC       |
|    | 224. SEQ ID NO:226:DR43 | GCAATAGGTGTCCACCTC       |
|    | 225. SEQ ID NO:227:DR44 | CCTTCTGGCTGTTCCCAGTG     |
| 25 | 226. SEQ ID NO:228:DR45 | TCCTTCTGGCTGTTCCAGG      |
|    | 227. SEQ ID NO:229:DR46 | ACAGTGAAGCTCTCCACAG      |
|    | 228. SEQ ID NO:230:DR47 | CTCCGTCACCGCCCGGA        |
|    | 229. SEQ ID NO:231:DR48 | CTCCGTCACCGCCCGGTA       |
|    | 230. SEQ ID NO:232:DR49 | CTCCTCCTGGTTATGGAAGTA    |
| 30 | 231. SEQ ID NO:233:DR50 | CTCCTCCTGGTTATGGAAGTA    |
|    | 232. SEQ ID NO:234:DR51 | TCGCTGTCGAAGCGCACGTCG    |
|    | 233. SEQ ID NO:235:DR52 | CGCTGTCGAAGCGCAACGGAT    |
|    | 234. SEQ ID NO:236:DR53 | CGCTGTCGAAGCGCACGTCG     |
|    | 235. SEQ ID NO:237:DR54 | TCGCTGTCGAAGCGCAGGA      |

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|    | 236. SEQ ID NO:238:DR55      | TCGCTGTCTGAAGCGCACGA    |
|    | 237. SEQ ID NO:239:DR56      | ACGTCGCTGTCTGAAGCGCAG   |
|    | 238. SEQ ID NO:240:DR57      | TCACCGCCCGGTACTCCCT     |
|    | 239. SEQ ID NO:241:DR58      | CCAAGCTCCGTACCGCCT      |
| 5  | 240. SEQ ID NO:242:DR59      | CCGCCCCAGCTCCGTCG       |
|    | 241. SEQ ID NO:243:DR60      | GCTGTTCCAGTGCTCCGCAG    |
|    | 242. SEQ ID NO:244:DR61      | GCTGTTCCAGTGCTCCGCAT    |
|    | 243. SEQ ID NO:245:DR62      | GGCTGTTCCAGTACTCAGCG    |
|    | 244. SEQ ID NO:246:DR63      | GCTGTTCCAGTACTCGGCGA    |
| 10 | 245. SEQ ID NO:247:DR64      | TTCTGGCTGTTCCAGTACTCA   |
|    | 246. SEQ ID NO:248:DR65      | CCGCCTCTGCTCCAGGAG      |
|    | 247. SEQ ID NO:249:DR66      | CCGCGCCTGCTCCAGGAT      |
|    | 248. SEQ ID NO:250:DR67      | ACCGCGGCGCGCCTGTCT      |
|    | 249. SEQ ID NO:251:DR68      | CCGCGGCCCGCGCCTGC       |
| 15 | 250. SEQ ID NO:252:DR69      | CACCGCGGCGCGCCTGTT      |
|    | 251. SEQ ID NO:253:DR70      | CACCTCGGCCCGCCTCC       |
|    | 252. SEQ ID NO:254:DR71      | GTCCACCGCGGCGCGCGT      |
|    | 253. SEQ ID NO:255:DR72      | TGTCCACCGCGGCCCGCT      |
|    | 254. SEQ ID NO:256:DR73      | TCCACCGCGGCCCGCGC       |
| 20 | 255. SEQ ID NO:257:DR74      | TCCACCGCGGCCCGCTC       |
|    | 256. SEQ ID NO:258:DR75      | TGTCCACCGCGGCCCGCT      |
|    | 257. SEQ ID NO:259:DR76      | TAGGTGTCCACCGCGGCG      |
|    | 258. SEQ ID NO:260:DR77      | GCGCCACCTGTGGATGACG     |
|    | 259. SEQ ID NO:261:DR78      | TCTGCAGTAATTGTCCACCTG   |
| 25 | 260. SEQ ID NO:262:DR79      | GTCTGCAATAGGTGTCCACCT   |
|    | 261. SEQ ID NO:263:DR80      | CTGCAGTAGTTGTCCACCCG    |
|    | 262. SEQ ID NO:264:DR81      | CCGTAGTTGTATCTGCAGTAGT  |
|    | 263. SEQ ID NO:265:DR82      | CCGTAGTTGTGTCTGCAGTAGT  |
|    | 264. SEQ ID NO:266:DR83      | CCCGTAGTTGTGTCTGCAGTAAT |
| 30 | 265. SEQ ID NO:267:DR84      | CCCGTAGTTGTGTCTGCACAC   |
|    | 266. SEQ ID NO:268:DR85      | CAGCACGTTTCTTGGAGCTGT   |
|    | 267. SEQ ID NO:269:DR86      | TTCTTGTGGCAGCTTAAGTTTGA |
|    | 268. SEQ ID NO:270:DPA-E(PC) | GATCCCCCTGAGGTGACCGTG   |
|    | 269. SEQ ID NO:271:DPA-F(PC) | CTGGGCCCCGGGGGTCATGGCC  |



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| 270. SEQ ID NO:272:DQCPT1   | CACGTCGCTGTCTGAAGCGCACGTACTCCTC     |
| 271. SEQ ID NO:273:DQCPT2   | CACGTCGCTGTCTGAAGCGGACGATCTCCTT     |
| 272. SEQ ID NO:274:DQCPT3   | CACGTCGCTGTCTGAAGCGTGCGTACTCCTC     |
| 273. SEQ ID NO:275:DQCPT4   | CACGTCGCTGTCTGAAGCGCGCGTACTCCTC     |
| 5 274. SEQ ID NO:276:DQCPT5 | CACGTCGCTGTCTGAAGCGCACGTCTCCTC      |
| 275. SEQ ID NO:277:DRCPT1   | DRCP TGGCGTGGGCGAGGCAGGGTAACCTTCTTA |

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[illegible]